

10/16/97

EXPRESS MAIL LABEL NO. EI 958 698 639 US

PTO/SB/05 (6-95)

Please type a plus sign (+) inside this box

Approved for use through 9/30/98, OMB 0651-0032

Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

0002/PTO U.S. Department of Commerce REV. 6/95 Patent and Trademark Office	Attorney Docket Number 63.666.90245
First Named Inventor James F. Greenleaf	
Total Pages in the Submission 20	

**NEW UTILITY PATENT
APPLICATION TRANSMITTAL**
(to be used for new applications only)

APPLICATION ELEMENTS
Notice: Checklist items numbered 1 through 16 are required for filing a new utility patent application. Please refer to MPEP Sections 606, 607, 1.77, 1.53, 35 USC 111, 112, 113 for detailed explanation regarding completeness of an original patent application.

ACCOMPANYING APPLICATION PARTS

1. Fee transmittal Form (prescribed filing fees(s))
2. Specification
 - Title of the Invention
 - Cross References to Related Applications
(if applicable)
 - Statement Regarding Federally-sponsored Research/Development (if applicable)
 - Reference to Microfiche Appendix (if applicable)
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if drawings filed)
 - Detailed Description
 - Claim or Claims
 - Abstract of the Disclosure
3. Drawings (when necessary as prescribed by 35 USC 113)
4. Executed Declaration
5. Genetic Sequence Submission
(if applicable, all must be included)
 - Paper Copy
 - Computer Readable Copy
 - Statement Verifying Identical Paper and Computer Readable Copy

6. Assignment Papers
7. Certified Copy of Priority Document(s)
(if foreign priority is claimed)
8. Computer Program on Microfiche
9. English Translation of Document (if applicable)
10. Information Disclosure Statement/PTO-1449
 Copies of IDS Citations
11. Petition Checklist and Accompanying Petition
12. Preliminary Amendment
13. Proprietary Information
14. Return Receipt Postcard
15. Small Entity Statement
16. Additional Enclosures (please identify below)

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual Name <i>Barry E. Sammons</i>	Signature <i>Barry E. Sammons</i>
Date 10/16/97	

FOR OFFICIAL USE ONLY

Application Number	Class	Independent Claims
Date of Receipt	GAU	Total Claims
	Foreign Filing License?	Drawing Sheets
	Foreign Address?	Special Handling?
Application Type		
Filing Date		
Small Entity		

Burden Hour Statement: This form is estimated to take 2 hours to complete. Time will very depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.
5.114072370

A

002/PTO
Rev. 10/96U.S. Department of Commerce
Patent and Trademark Office**FEE TRANSMITTAL**

TOTAL AMOUNT OF PAYMENT \$ 830.00

Complete if Known	
Application Number	
Filing Date	
First Named Inventor	James E. Greenleaf
Group Art Unit	
Examiner Name	
Attorney Docket Number	630666.90245

METHOD OF PAYMENT (check one)

1. The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 17-0055

Deposit Account Name Quarles & Brady

Change Any Additional Fees Requested Under 37 CFR 1.16 and 1.17
 Charge the Issue Fee Set in 37 CFR 1.16 and 1.17
for filing a request for reexamination or cover sheet

2. Payment Enclosed:

Check Money Order Other

FEE CALCULATION (continued)**3. ADDITIONAL FEES**

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee (\$)	Fee
105	130	205	65	Surcharge - late filing fee or oath
127	50	227	25	Surcharge - late provisional filing fee or cover sheet
139	130	139	130	Non-English specification
147	2,520	147	2,520	For filing a request for reexamination
112	920	112	920	Requesting publication of SIR prior to Examiner action
113	1,840	113	1,840	Requesting publication of SIR after Examiner action
115	110	215	55	Extension for response within first month
116	400	216	200	Extension for response within second month
117	950	217	475	Extension for response within third month
118	1,510	218	755	Extension for response within fourth month
119	310	219	155	Notice of Appeal
120	310	220	155	Filing a brief in support of an appeal
121	270	221	135	Request for oral hearing
138	1,510	138	1,510	Petition to institute a public use proceeding
140	110	240	55	Petition to revive unavoidably abandoned application
141	1,320	241	660	Petition to revive unintentionally abandoned application
142	1,320	242	660	Utility issue fee (or reissue)
143	450	243	225	Design issue fee
144	670	244	335	Plant issue fee
122	130	122	130	Petitions to the Commissioner
123	50	123	50	Petitions related to provisional applications
126	240	126	240	Submission of Information Disclosure Stmt
581	40	581	40	Recording each patent assignment per property (times number of properties) 40.00
146	790	246	395	Filing a submission after final rejection (37 CFR 1.129(e))
149	790	249	395	For each additional invention to be examined (37 CFR 1.129(b))

SUBTOTAL (1) (\$900.00)

2. CLAIMS

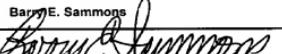
Total Claims	Extra	Fee from below	Fee Paid
16	-20=	0	X 22.00 = 0.00
3	-3=	0	X 82.00 = 0.00
			270.00 = 0.00

Large Entity Fee Code	Small Entity Fee Code	Fee (\$)	Fee Description
103	22	203	11 Claims in excess of 20
102	.82	202	41 Independent claims in excess of 3
104	270	204	135 Multiple dependent claim
109	80	209	40 Reissue independent claims over original patent
110	22	210	11 Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$10.00)

Reduced by Basic Filing Fee Paid

SUBMITTED BY

Typed or Printed Name	Barry E. Sammons	Date	Complete (if applicable)
Signature		Oct 16, 1997	Reg. Number 25,608
			Deposit Account User ID 17-0055

Burden Hour Statement: This form is estimated to take 2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.